

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	682	("1699590"   "3094124"   "3384113"   "3402717"   "3470869"   "3485234"   "3527226"   "3534771"   "3618614"   "3657744"   "3725522"   "3752617"   "3860468"   "3865666"   "3873391"   "3890976"   "3924637"   "3938529"   "3959429"   "3965930"   "3985601"   "3989571"   "4022191"   "4034015"   "4044765"   "4052989"   "4085185"   "4093484"   "4145335"   "4186745"   "4195637"   "4207900"   "4210478"   "4211741"   "4240434"   "4261339"   "4276250"   "4276874"   "4282876"   "4284459"   "4300244"   "4328056"   "4330497"   "4346704"   "4350161"   "4368090"   "4385635"   "4423725"   "4425919"   "4430083"   "4432757"   "4445896"   "4447239"   "4467790"   "4482587"   "4495134"   "4516972"   "4531943"   "4540404"   "4543087"   "4545390"   "4547193"   "4551292"   "4557781"   "4561439"   "4563181"   "4596563"   "4627844"   "4636346"   "4641654"   "4646742"   "4655762"   "4657536"   "4690175"   "4702252"   "4723936"   "4737219"   "4753765"   "4761129"   "4768507"   "4775371"   "4778550"   "4781691"   "4787388"   "4790817"   "4798586"   "4806182"   "4820349"   "4824618"   "4826480"   "4838879"   "4842590"   "4863442"   "4874373"   "4877031"   "4886506"   "4888146"   "4895566"   "4899787"   "4904431"   "4921483"   "4943560"	US-PGPUB; USPAT; USOCR	AND	ON	2009/10/16 07:23

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"5569196"	"5569218"
"5569222"	"5591172"
"5601538"	"5614136"
"5622665"	"5628755"
"5653684"	"5658263"
"5662703"	"5736127"
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"5215614"	"5542937"
"5702372"	"5762637"

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L2	43	264/655	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/10/16 07:27
L3	66	264/658	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/10/16 07:27
L4	285	(604/525).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 07:28
L5	1030	method tube heated pin enlarge remove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/10/16 07:48
L7	741	method making tube heated pin enlarge remove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/10/16 07:48
L11	337	surgical tube inner outer layer hardness heated pin remov\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/10/16 07:49
L12	18	((DAVID) near2 (DREWES)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2009/10/16 07:55
L13	3	((JAY) near2 (DITTMAN)).INV.	EPO; JPO; DERWENT	AND	ON	2009/10/16 07:55
L14	7	((DAVID) near2 (DREWES)).INV.	EPO; JPO; DERWENT	AND	ON	2009/10/16 07:55
S1	12	("5085649"   "5215614"   "5699835"   "5702372"   "5771965"   "6045547").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 08:34
S2	9	((CHRISTOPHE) near2 (LANDUYT)).INV.	US-PGPUB; USPAT; USOCR	AND	ON	2009/01/13 08:36

S3	11	((CHRI STOPHE) near2 (LANDUYT)).INV.	EPO; JPO; DERWENT	AND	ON	2009/01/13 08:36
S4	299	(US-5951513-\$ or US-4392499-\$ or US-5931829-\$ or US-6056743-\$ or US-6132405-\$ or US-6238369-\$ or US-4341212-\$ or US-4430083-\$ or US-5312337-\$ or US-5429597-\$ or US-5653231-\$ or US-5700251-\$ or US-5718701-\$ or US-5807354-\$ or US-5906606-\$ or US-5925012-\$ or US-5938694-\$ or US-5989271-\$ or US-6059813-\$ or US-6090083-\$ or US-6102926-\$ or US-6102890-\$ or US-6165188-\$ or US-6186978-\$ or US-6203547-\$ or US-3626950-\$).did. or (US-3687142-\$ or US-3669094-\$ or US-3665928-\$ or US-4267828-\$ or US-4270535-\$ or US-4274408-\$ or US-4275724-\$ or US-4307722-\$ or US-RE30966-\$ or US-4319563-\$ or US-4319580-\$ or US-4326404-\$ or US-4340615-\$ or US-4351330-\$ or US-4355330-\$ or US-4360024-\$ or US-4364395-\$ or US-4375816-\$ or US-4378018-\$ or US-4412346-\$ or US-4413636-\$ or US-4419094-\$ or US-4425124-\$ or US-4437857-\$ or US-4457755-\$ or US-4459977-\$ or US-4464168-\$).did. or (US-4474180-\$ or US-4490144-\$ or US-4500311-\$ or US-4506793-\$ or US-4511357-\$ or US-4530698-\$ or US-4540402-\$ or US-4552554-\$ or US-4557959-\$ or US-4581017-\$ or US-4604094-\$ or US-4606735-\$ or US-4610674-\$ or US-4624657-\$ or US-4759752-\$ or US-4772278-\$ or US-4776844-\$ or US-4778446-\$ or US-4784133-\$ or US-4784646-\$ or US-4784651-\$ or US-4787388-\$ or US-4795427-\$ or US-4796644-\$ or US-4798588-\$ or US-4800890-\$ or US-4808158-\$).did. or (US-4819751-\$ or US-4821715-\$ or US-4824433-\$ or US-4840187-\$ or US-4848344-\$ or US-4863442-\$ or US-4869248-\$ or US-4878492-\$ or US-4878516-\$ or US-4884579-\$ or US-4886506-\$ or US-4898586-\$ or US-4906241-\$ or US-4922905-\$ or US-4929246-\$ or US-4932419-\$ or US-4955862-\$ or US-4957110-\$	USPAT	AND	ON	2009/01/13 08:37

or US-4960410-\$ or US-4963313-\$ or US-4976710-\$ or US-4983169-\$ or US-5011488-\$ or US-5021043-\$ or US-5067497-\$ or US-5047045-\$ or US-5033998-\$).did. or (US-5176149-\$ or US-5180373-\$ or US-5184621-\$ or US-5190538-\$ or US-5190540-\$ or US-5191881-\$ or US-5199060-\$ or US-5201310-\$ or US-5201316-\$ or US-5201757-\$ or US-5203348-\$ or US-5203772-\$ or US-5207644-\$ or US-5207649-\$ or US-5207669-\$ or US-5211627-\$ or US-5217482-\$ or US-5217484-\$ or US-5219336-\$ or US-5222949-\$ or US-5222966-\$ or US-5230337-\$ or US-5230349-\$ or US-5239982-\$ or US-5250059-\$ or US-5254091-\$ or US-5256145-\$).did. or (US-5256158-\$ or US-5257451-\$ or US-5257635-\$ or US-5267971-\$ or US-5271410-\$ or US-5279280-\$ or US-5279551-\$ or US-5279560-\$ or US-5284473-\$ or US-5292321-\$ or US-5295955-\$ or US-5300023-\$ or US-5304131-\$ or US-5304143-\$ or US-5304155-\$ or US-5308324-\$ or US-5309904-\$ or US-5312356-\$ or US-RE34633-\$ or US-5322064-\$ or US-5325850-\$ or US-5327885-\$ or US-5328467-\$ or US-5330433-\$ or US-5334171-\$ or US-5336169-\$ or US-5338308-\$).did. or (US-5342407-\$ or US-5344398-\$ or US-5344419-\$ or US-5346471-\$ or US-5355874-\$ or US-5358486-\$ or US-5358495-\$ or US-5360414-\$ or US-5360442-\$ or US-5363861-\$ or US-5364345-\$ or US-5370616-\$ or US-5370617-\$ or US-5372131-\$ or US-5372587-\$ or US-5374247-\$ or US-5376084-\$ or US-5385554-\$ or US-5389089-\$ or US-5391148-\$ or US-5395334-\$ or US-5395361-\$ or US-5399868-\$ or US-5400789-\$ or US-5403280-\$ or US-5404886-\$ or US-5405316-\$).did. or (US-5409458-\$ or US-5409483-\$ or US-5415633-\$ or US-5418978-\$ or US-5419777-\$ or US-5423320-\$ or US-5423754-\$ or US-5423773-\$ or US-5425723-\$ or US-5429136-\$ or US-5439445-\$ or US-5441489-\$ or US-5445624-

\$ or US-5451215-\$ or US-5458570-\$ or US-5458575-\$ or US-5470415-\$ or US-5471986-\$ or US-5472419-\$ or US-5474060-\$ or US-5489277-\$ or US-5492538-\$ or US-5499981-\$ or US-5505686-\$ or US-5511559-\$ or US-5522818-\$ or US-5522832-\$).did. or (US-5531685-\$ or US-5536274-\$ or US-5545202-\$ or US-5545141-\$ or US-5549552-\$ or US-5554178-\$ or US-5556389-\$ or US-5558081-\$ or US-5571085-\$ or US-5582167-\$ or US-5596990-\$ or US-5603732-\$ or US-5605543-\$ or US-5618266-\$ or US-5628775-\$ or US-5643171-\$ or US-5647870-\$ or US-5649978-\$ or US-5656011-\$ or US-5662585-\$ or US-5674197-\$ or US-5676659-\$ or US-5679216-\$ or US-5685854-\$ or US-5690644-\$ or US-5695482-\$ or US-5697906-\$).did. or (US-5702439-\$ or US-5704914-\$ or US-5713853-\$ or US-5716410-\$ or US-5718712-\$ or US-5724977-\$ or US-5725525-\$ or US-5728042-\$ or US-5728063-\$ or US-5735831-\$ or US-5743876-\$ or US-5746692-\$ or US-5746701-\$ or US-5749919-\$ or US-5752518-\$ or US-5752939-\$ or US-5755690-\$ or US-5759173-\$ or US-5759175-\$ or US-5759191-\$ or US-5788713-\$ or US-5795318-\$ or US-5810837-\$ or US-5810760-\$ or US-5814058-\$ or US-5817102-\$ or US-5819733-\$).did. or (US-5819723-\$ or US-5823995-\$ or US-5823189-\$ or US-5827310-\$ or US-5827276-\$ or US-5832920-\$ or US-5833659-\$ or US-5836895-\$ or US-5840064-\$ or US-5840059-\$ or US-5841830-\$ or US-5843169-\$ or US-5855576-\$ or US-5855546-\$ or US-5868740-\$ or US-5876448-\$ or US-5876417-\$ or US-5879305-\$ or US-5891135-\$ or US-5893859-\$ or US-5897536-\$ or US-5904651-\$ or US-5908407-\$ or US-5908410-\$ or US-5908445-\$ or US-5910129-\$ or US-5945605-\$).did. or (US-5947991-\$ or US-5947953-\$ or US-5951495-\$).did.

S5	29	"604". clas. @py<="2001" catheter heated same pin	USPAT	AND	ON	2009/01/13 09:23
S6	10	"604". clas. @py<="2001" insert same heat\$4 same (pin or mandrel) same diameter	USPAT	AND	ON	2009/01/13 09:28
S7	1	"604". clas. @py<="2001" catheter grind same outer same layer	USPAT	AND	ON	2009/01/13 09:32
S8	90	"604". clas. @py<="2001" catheter increase same diameter same heat	USPAT	AND	ON	2009/01/13 09:33
S9	0	@py<="2001" catheter insert near heat\$4 near (pin or mandrel) near increase near diameter	USPAT	AND	ON	2009/01/13 09:36
S10	0	@py<="2001" catheter insert same heat\$4 same (pin or mandrel) same increase same diameter	USPAT	AND	ON	2009/01/13 09:37
S11	0	catheter insert same heat\$4 same (pin or mandrel) same increase same diameter	USPAT	AND	ON	2009/01/13 09:37
S12	15	@py<="2001" insert same heat \$4 same (pin or mandrel) same increase same diameter	USPAT	AND	ON	2009/01/13 09:37
S13	65	@py<="2001" catheter layer\$4 same extrude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:12
S14	379	604/544	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:15
S15	629	@py<="2001" (catheter or tube or cannula or trocar or needle or hose) insert same heat same increase same diameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:19
S16	19	"604". clas. (catheter or tube or cannula or trocar or needle or hose) insert same heat same increase same diameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:23

S17	10	"6162214"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:41
S18	2	("6162214").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/13 10:41
S19	16	"604".clas. (catheter or tube or cannula or trocar or needle or hose) insert same heat same (pin or mandrel) increase same diameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:51
S20	119	(catheter or tube or cannula or trocar or needle or hose) insert same heat same (pin or mandrel) same increase same diameter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/01/13 10:52
S21	2081	(604/523).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/13 11:03
S22	392	(604/524).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/13 11:23
S23	2	("5983131").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/13 11:33
S24	4	("2966373").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/16 09:37

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	415	method tube heated pin enlarge remove	USPAT; UPAD	AND	ON	2009/10/16 07:48



L8	283	method making tube heated pin enlarge remove	USPAT; UPAD	AND	ON	2009/10/16 07:48
L9	36	264/655	USPAT; UPAD	AND	ON	2009/10/16 07:48
L10	116	surgical tube inner outer layer hardness heated pin remov\$4	USPAT; UPAD	AND	ON	2009/10/16 07:49

**10/16/2009 7:55:46 AM****C:\Documents and Settings\ckoharski\My Documents\EAST\Workspaces\10-349926.wsp**